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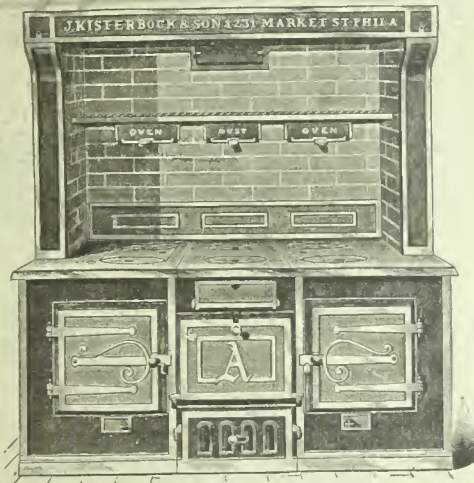
FRANKLIN
INSTITUTE
LIBRARY

Established 1830.

J. KISTERBOCK & SON,

Heating, Ventilating

heating apparatus



THE FRANKLIN INSTITUTE
PHILADELPHIA.

and

Cooking Apparatus,

1231 MARKET STREET,

Philadelphia.

T. J. LEARY,
Manager.

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"A Kitchener" Steel Oven Range, with Plain or Shaking Grate.

This Range has been constructed with the utmost care and is the largest and heaviest of its class. No attempt has been made at elaborate ornamentation, but plain polished mouldings, easily kept clean, furnish a most appropriate dress.

The mounting of the "A Kitchener" Range is done in the very best possible manner, every part fitted and finished with the greatest care.

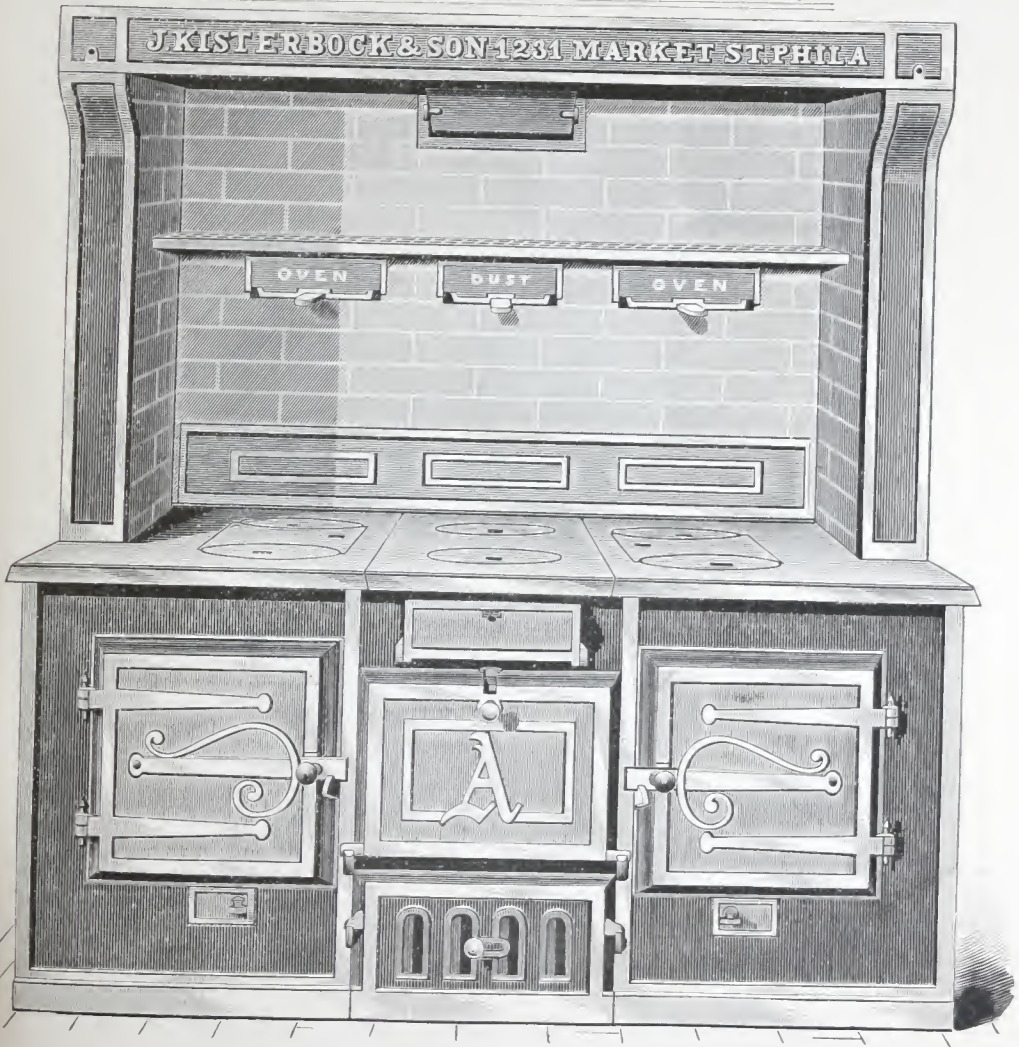
This Range is specially adapted for first-class houses, and is the newest in design, containing all the modern improvements, with large flues, and is specially adapted for setting with enameled bricks, tiles, etc.

The steel-plate ovens are very large, being 15x14x21 $\frac{1}{2}$, are very sensitive to the heat, are thoroughly heated by the time the fire is under way, and always ready for baking.

The fire chamber is spacious, with large open grate for broiling or roasting before the fire.

The water-back is so constructed as to give an abundant supply of hot water.

"A Kitchener" Steel Oven Range.



Quick Operator, *Superior Broiling Facilities,*
Economical in Fuel, *Shaking and Dumping Grate,*
Universally Liked, *Ventilating and Odor Escapes.*

Size of Oven, Width, 15 in.; Height, 14 in.; Depth, 21 ½ in.; Fire, 16 in.
 Length of Range, 5 ft. 4 in.

*Also a full line of other Ranges, both Portable and Brickset,
 constantly on hand.*

Eagle Steel-plate Hot-air Furnace for Brick Setting.

This is a first-class furnace constructed of one piece steel body, with No. 8 seamless steel dome, well and securely riveted together, with a large and commodious cast-iron ash-pit, and tightly fitted drums, which make it perfectly gas and dust tight, as well as a very powerful, economical and durable furnace.

The patent shaking and dumping grate is the most perfect in the market, having a right and left motion, easily dumped, ejecting all cinders and refuse.

The poke-hole is also a feature, allowing the use of a slicer to clean the surface of the grate, which allows a free combustion, and producing far more heat than can be had from most furnaces.

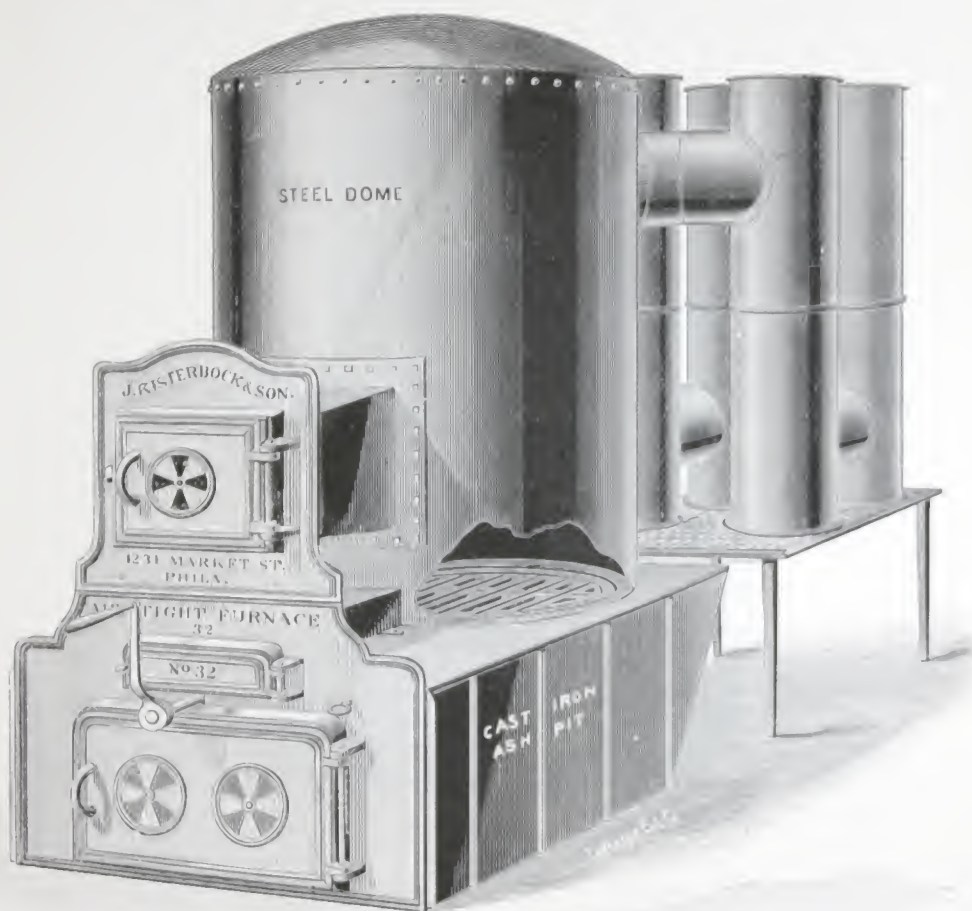
The ash pit is constructed of heavy cast-iron, which, with a bright fire makes an additional heating surface. It is firmly bolted and cemented together, which makes it permanently secure against the escape of dust to the hot air chambers, presenting a substantial advantage over the brick ash-pit with its mortar connections, which will jar loose in time, or crack from heat.

On top of the bed-plate is a large circular flange, on which fits a heavy steel-plate body, lined with thick fire bricks, forming a lasting and economical fire pot.

All the doors and frames are properly fitted to prevent gas or dust escaping, and one specially large to facilitate adding fuel. The fire-door is provided with a large check register, enabling the fire to be checked without the cooling process of leaving the door open, which readily clinkers the fire, and chills the entire heating surface.

To secure satisfactory results with this furnace, and adapt it to many conditions, only requires a generous use of common sense.

Eagle Steel Plate Hot Air Furnace.

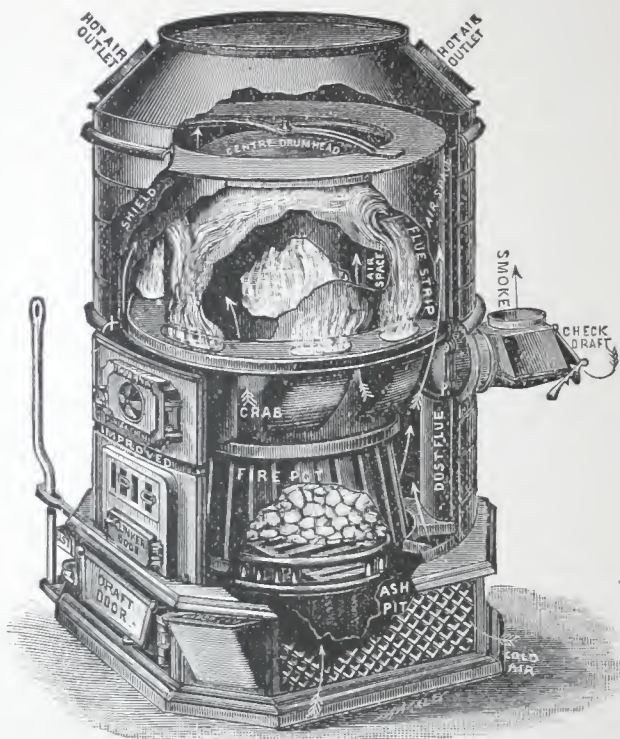
*Economical in Fuel,**Solid Steel Body,**Easily Managed,**Shaking and Dumping Grate,**Extremely Powerful,**Durability and Efficiency.*24 in. 28 in. 32 in. 36 in. **40 in.**

Estimates cheerfully furnished. Guarantee with every job.

**Made either with Drums
or Permanent Radiators.**

ID 91-B3018 TCF

Novelty Steel Plate Furnace.



Heavy Steel Drums,

Absolute Freedom from Gas,

Perfect Sand Joints,

Endless Current of Warm Air,

Superior Dust Flue,

No Waste Heat in Cellar,

Excellent Check Draft,

Moist, Pleasant Atmosphere.

Standard of this Furnace Surpasses Competition.

25 in.

28 in.

33 in.

36 in.

40 in.

Novelty Steel-plate Portable Furnace.

Little need be said of this old reliable furnace, distinguished for its superior heating power, lasting qualities, and moderate cost.

This is the style in which it was first introduced, presenting a firm and substantial base, with a most attractive appearance, well adapted to general use and frequently preferred when set in a busy or conspicuous place.

The base is so constructed that the necessary fresh air supply may be equally well taken from where the furnace stands, through perforated panels in both sides and the back, or by a cold air pipe from the outside.

A feature of the ash door is a large flap for controlling the draft. It is hinged at the top and can be opened to any required extent by chain and pulley from an upper room, or at the furnace by a ratchet. It insures a much greater supply of air than is usual, preventing overheating of the grate, and promoting more perfect combustion; often securing successful operation with a naturally poor draft.

The door opens up the whole front of a large, deep, strong ash-pit, facilitating the removal of refuse, and enabling the grate to be repaired or replaced without taking down the entire furnace.

The ash-pit is provided with a heavy rib across the bottom, giving a bearing to the whole furnace, and firmness when set, instead of unsecurely resting on four small feet that sink in the floor, and pull the heater pipes apart; as some heaters which have no support settle, crack, and send gas and dust to the registers.

In the top of the ash-pit, and independent of it so as to be readily replaced, is supported a clinkerless dumping and shaking grate, which is operated while standing erect, by a lever, greatly reducing the labor, and entirely relieving the task of its distastefulness, while accomplish-

ing excellent results, or the whole surface of the grate can easily be rid of cinders and refuse with a poker, there being a large door and ample provision for its use.

The Fire Pot is not only heavy, but is increased in strength and usefulness by large protruding flanges, is in every way superior to the old fashioned, egg shape affairs, which have been discarded in all of the best productions, as they soon become lined with ashes, almost destroying their heating power.

The Crab is an immense additional heating surface, and vastly superior to the tubular construction of one sheet-iron drum and several pipes. Necessarily light from their small size and in direct contact with the coals where they burn out quickly, and are so arranged as to interfere with the best radiation of the fire, and permits the gases to escape wasted, while the Crab supports, above possible contact with the coals, three large drums of heavy steel, neither detracting from the heating of the other, but all combining with the flue strips to cause an indirect draft, by which the principal heat is extracted from the burning gases and utilized.

The cast and steel drum expose an expanse of intensely and continually heated surface, so arranged that air passes naturally over it, and is quickly raised to a high temperature, while they are perfectly self-cleaning, and the steel is not affected by rust, does not scale, and is much more sensitive to the heat than sheet iron.

The Check-draft is built on the only correct principle; attached at the smoke outlet, keeps combustion under perfect control, saves a sheet-iron elbow and firmly supports the pipe.

The dust flue works perfectly. No dust in the house to spoil the furniture. It connects the back of the ash-pit with the smoke exit and is effectual.

The "Novelty" has every modern appliance that is a convenience.

Five sizes, 25 in., 28 in., 33 in., 36 in., 40 in.

Sexton Grand Heater.



This Superior Fire Place Heater which has been thoroughly tested is so arranged as to burn the coal closer, and constructed in such a manner as to produce a greater amount of heat than can be obtained in the ordinary way. It has a large amount of radiating surface and gives an abundance of heat in the room it sets in as well as the rooms above. It embodies all the latest improvements and principal features of the renowned Baltimore Fire Place Heater patented by S. B. Sexton, which has been before the public over forty years. This firm has secured the reputation of manufacturing the best Heaters. We feel assured that the Heaters will meet the wants of those who require a powerful and perfect Fire Place Heater, one easily regulated, economical and beautiful in design.

We call special attention to several prominent features connected with the Grand Fire Place Heater.

The Direct Draft is produced by drawing the damper out at the top of the Heater, and by this means the fuel is quickly ignited and there is no delay in having a warm room in a short time. When this damper is closed the heat circulates through side drums which encase the Heater, also around inside of the base and then up the radiating column in the rear of the heater.

The Double Fire Chamber is formed by two annular flanges or shelves, which make the upper and lower fire chambers, and is so constructed that the fire burns always bright in both of these chambers, making equal illumination in the upper and lower mica sections. It is so arranged as to prevent either ashes or coal from falling against the lower mica doors. The coal is held up so the clinkers or ashes can be removed from around the grate without disturbing the upper body of burning coal. The lower fire chamber has a slide for the purpose of letting pieces of clinkers drop in the ash pan which would be too large to pass through the grate.

The Sectional Fire Pot is in sections and can be repaired without taking the Heater out of the fire place.

The Regulating Slide is in the upper fire chamber (or shelf); by opening this slide you have complete control over the heat, and can regulate the fire to burn as slowly as desired and make it conform to any temperature.

The Grate has the patent cross rake grate rest, an improved pattern, shaking and dumping readily by means of the crank extending outside of the base.

The Grand is elaborately finished with nickel trimmings. It is very heavy and durable, manufactured throughout of the best material, making it in every respect a first-class Heater.

In conclusion permit us to state that Mr. S. B. Sexton, Sr., is the inventor and patentee of the original Baltimore Fire Place Heater and the oldest manufacturer of the same. Our experience with this stove makes us feel confident it will give entire satisfaction. One size only, with either square, circular or French frames.

Opening in mantel should be 30 in. high, 30 in. wide, 16 in. deep.

Size of frame, 33½ in. high, 33½ in. wide.

Victor Cooking Stove.

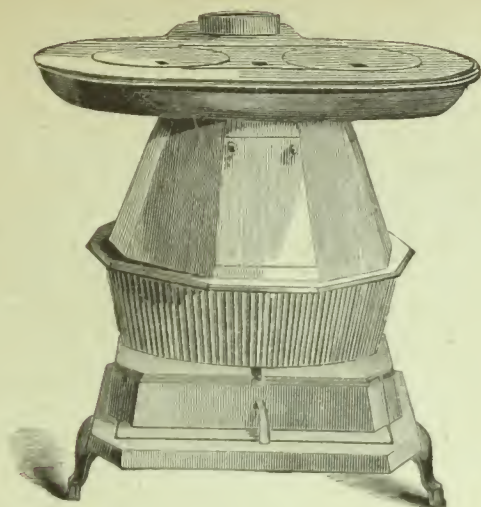


This range is designed for those wishing a substantial apparatus with a large cooking capacity and strictly first-class in every particular, from the finish and fitting of the castings to the operation, which has been thoroughly tested, and will not fail to please under any circumstances. It is also adapted for the use of waterback, giving abundance of hot water.

6 in. 7 in. 8 in. 9 in.

It is also made either right or left hand oven and elevated shelf.

Laundry Stove.



This is a first-class Stove for private families. Two sizes, 9 irons and 13 irons.

Confectioners' and Bakers' Candy Furnace.



For Making Candy, Frying Oysters, etc., etc.
Three sizes, 2, 4, 6.

